



UNITED STATES PATENT AND TRADEMARK OFFICE

*Cal*

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/025,911	12/26/2001	Dong Jae You	8733.543.00	7511

30827      7590      06/21/2005  
MCKENNA LONG & ALDRIDGE LLP  
1900 K STREET, NW  
WASHINGTON, DC 20006

EXAMINER

DONG, DALEI

ART UNIT      PAPER NUMBER

2879

DATE MAILED: 06/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No. 10/025,911	Applicant(s) YOU, DONG JAE	
Examiner Dalei Dong	Art Unit 2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1)  Responsive to communication(s) filed on 31 May 2005.
- 2a)  This action is **FINAL**.
- 2b)  This action is non-final.
- 3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4)  Claim(s) 1,2,4-6 and 18 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5)  Claim(s) \_\_\_\_\_ is/are allowed.
- 6)  Claim(s) 1,2,4-6 and 18 is/are rejected.
- 7)  Claim(s) \_\_\_\_\_ is/are objected to.
- 8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9)  The specification is objected to by the Examiner.
- 10)  The drawing(s) filed on 26 December 2001 is/are: a)  accepted or b)  objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1)  Notice of References Cited (PTO-892)
- 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 4/26/2005.
- 4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5)  Notice of Informal Patent Application (PTO-152)
- 6)  Other: \_\_\_\_\_

### DETAILED ACTION

1. Amendment filed May 31, 2005 has been entered.

#### *Claim Rejections - 35 USC § 103*

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 2, 4-6 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 3,143,301 to Trautner in view of U.S. Patent No. 4,680,505 to Funada.

Regarding to claim 1, Trautner discloses, in Figures 6-9, a lamp apparatus comprising: a lamp (1) of an electrode (17 and 18); a wire (50 and 51) to deliver the external voltage; and a connector (27) for electrically connecting the electrode (17 and 18) of the lamp (1) to the wire, the connector (27) directly contacting the electrode (17 and 18) and a portion of the wire (50 and 51), wherein the connector includes: a first cured wing (43, 44 and 45) for directly contacting the electrode (17 and 18) of the lamp; and a second curve (52 including 53, 54, 55 and 56) for directly contacting a portion of the wire (50 and 51).

However, Trautner does not disclose the lamp capable of using a discharge to generate light for the liquid crystal display.

The Examiner asserts that the discharge lamp used for liquid crystal display is old and well known in the art as taught by the Funada reference. The Funada reference teaches, in Figures 1-3, a lamp capable of using a discharge of an external voltage applied to an electrode (2) of the lamp to generate light for the liquid crystal display (see column 5, lines 17-20) for the purpose of improving the discharge lamp with high luminous efficiency.

Thus, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have utilize the discharge lamp utilized for liquid crystal display of Funada for the lamp apparatus of Trautner in order to improve the discharge lamp with high luminous efficiency.

Regarding to claim 2, Trautner discloses, in Figure 2, a unifying means (26) for integrally forming the power terminal (17 and 18) of the lamp and the wire (50 and 51) electrically connected to each other via the connector.

Regarding to claim 4, Trautner discloses, the unifying means (26) is a molded product (see column 2, lines 48-54) for unifying an end (7) of the lamp (1), the electrode of the lamp (17 and 18), the connector (27) and the wire (50 and 51).

Regarding to claim 5, Trautner discloses, a material of the molded product is selected from any one of the group comprising plastic and silicon (see column 2, lines 48-54).

Art Unit: 2879

Regarding to claim 6, Trautner discloses, in Figures 6-9, the first curved wing (43, 44 and 45) at least partially surrounding the electrode (17 and 18) of the lamp (1) and the second curved wing (52 including 53, 54, 55 and 56) is at least partially surrounding the portion of the wire (50 and 51).

Regarding to claim 18, the limitation of “injection-molded product is molded around the lamp and the wire” is a method of forming a device and is not germane to the issue of patentability of the device itself. Therefore, this limitation has not been given patentable weight.

#### *Response to Arguments*

4. Applicant's arguments with respect to claims 1, 2, 4-6 and 18 have been considered but are moot in view of the new ground(s) of rejection.

#### *Conclusion*

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following prior art are cited to further show the state of the art of composition of a lighting apparatus.

U.S. Patent No. 5,266,866 to Takagi.

Art Unit: 2879

U.S. Patent No. 5,610,472 to Schmitt, Jr.

U.S. Patent No. 6,104,134 to Kikuchihara.

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalei Dong whose telephone number is (571)272-2370. The examiner can normally be reached on 8 A.M. to 5 P.M..

Art Unit: 2879

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar Patel can be reached on (571)272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



D.D.

June 17, 2005



Joseph Williams  
Primary Examiner  
Art Unit 2879